

JOURNAL OF Neurobiology

Author Index to Volume 49

Allcorn, S.: see Catsicas, M.

Bothwell, M.: see Hutson, L. D.

Boyd, J. G. and Gordon, T.: The Neurotrophin Receptors, trkB and p75, Differentially Regulate Motor Axonal Regeneration, 314

Burke, J. F.: see Rogers, C. M.

Campbell, J. L. and Nash, H. A.: Volatile General Anesthetics Reveal a Neurobiological Role for the *white* and *brown* Genes of *Drosophila melanogaster*, 339

Caporaso, G. L. and Chao, M. V.: Telomerase and Oligodendrocyte Differentiation, 224

Catsicas, M., Allcorn, S., and Mobbs, P.: Early Activation of Ca^{2+} -Permeable AMPA Receptors Reduces Neurite Outgrowth in Embryonic Chick Retinal Neurons, 200

Chao, M. V.: see Caporaso, G. L.

Chao, M. V.: see Wolf, R. M.

Davis, A. M.: see Dellovade, T. L.

Deitcher, D. L.: see Sujata, R.

Dellovade, T. L., Davis, A. M., Ferguson, C., Sieghart, W., Homanics, G. E., and Tobet, S. A.: GABA Influences the Development of the Ventromedial Nucleus of the Hypothalamus, 264

De Marchis, S., Fasolo, A., Shipley, M., and Puche, A.: Unique Neuronal Tracers Show Migration and Differentiation of SVZ Progenitors in Organotypic Slices, 326

Derby, C. D.: see Levine, M. Z.

Fasolo, A.: see De Marchis, S.

Fath, S.: see Skovronsky, D. M.

Ferguson, C.: see Dellovade, T. L.

Forbes, M. E.: see Frost, D. O.

Franks, C. J.: see Rogers, C. M.

Frost, D. O., Ma, Y.-T., Hsieh, T., Forbes, M. E., and Johnson, J. E.: Developmental Changes in BDNF Protein Levels in the Hamster Retina and Superior Colliculus, 173

Fujito, Y.: see Kojima, S.

Fusani, L., Hutchison, J. B., and Gahr, M.: Testosterone Regulates the Activity and Expression of Aromatase in the Canary Neostriatum, 1

Gahr, M.: see Fusani, L.

Gao, C.: see Wang, X.-J.

Gerardy-Schahn, R.: see Schuster, T.

Gordon, H.: see St. John, P. A.

Gordon, T.: see Boyd, J. G.

Hackel, N.: see Schuster, T.

Hardaker, L. A., Singer, E., Kerr, R., Zhou, G., and Schaffer, W. R.: Serotonin Modulates Locomotory Behavior and Coordinates Egg-Laying and Movement in *Caenorhabditis elegans*, 303

Harris, W. A.: see Rapaport, D. H.

Harrison, P. J. H.: see Levine, M. Z.

Holden-Dye, L.: see Rogers, C. M.

Holt, C. E.: see Johnson, K. G.

Homanics, G. E.: see Dellovade, T. L.

Hosono, T.: see Kojima, S.

Hsieh, T.: see Frost, D. O.

Hutchison, J. B.: see Fusani, L.

Hutson, L. D. and Bothwell, M.: Expression and Function of *Xenopus laevis* p75^{NTR} Suggest Evolution of Developmental Regulatory Mechanisms, 79

Ito, E.: see Kojima, S.

Johnson, J. E.: see Frost, D. O.

Johnson, K. G., McKinnell, I. W., Stoker, A. W., and Holt, C. E.: Receptor Protein Tyrosine Phosphatases Regulate Retinal Ganglion Cell Axon Outgrowth in the Developing *Xenopus* Visual System, 99

Kerr, R.: see Hardaker, L. A.

Kleinhaus, A. L.: see Li, Y.

Kojima, S., Hosono, T., Fujito, Y., and Ito, E.: Optical Detection of Neuromodulatory Effects of Conditioned Taste Aversion in the Pond Snail *Lymnaea stagnalis*, 118

Kreiger, J.: see Rogers, M. E.

Krug, M.: see Schuster, T.

Lang, C.: see Sujata, R.

Lee, V. M.-Y.: see Skovronsky, D. M.

Levine, M. Z., Harrison, P. J. H., Walthall, W. W., Tai, P. C., and Derby, C. D.: A CUB-Serine Protease in the Olfactory Organ of the Spiny Lobster *Panulirus argus*, 277

Levitin, E. S.: see Sujata, R.

Li, Y., Perruccio, E., Zhang, X., and Kleinhaus, A. L.: Bitter Substances Suppress Afferent Responses to an Appetitive Mixture: Evidence for Peripheral Integration of Chemosensory Stimuli, 255

Ma, Y.-T.: see Frost, D. O.

McKinnell, I. W.: see Johnson, K. G.

Milla, M. E.: see Skovronsky, D. M.

Mobbs, P.: see Catsicas, M.

Nash, H. A.: see Campbell, J. L.
Norgren, R. B., Jr.: see Wang, X.-J.

Patheal, S. L.: see Rapaport, D. H.
Perruccio, E.: see Li, Y.
Puche, A.: see De Marchis, S.

Rapaport, D. H., Patheal, S. L., and Harris, W. A.: Cellular Competence Plays a Role in Photoreceptor Differentiation in the Developing *Xenopus* Retina, 129
Resh, M. D.: see Wolf, R. M.
Ritzmann, R. E.: see Schaefer, P.
Robertson, R. M.: see Wu, B. S.
Rogers, C. M., Franks, C. J., Walker, R. J., Burke, J. F., and Holden-Dye, L.: Regulation of the Pharynx of *Caenorhabditis elegans* by 5-HT, Octopamine, and FMRFamide-like Neuropeptides, 235
Rogers, M. E., Kreiger, J., and Vogt, R. G.: Antennal SNMPs (Sensory Neuron Membrane Proteins) of Lepidoptera Define a Unique Family of Invertebrate CD36-like Proteins, 47

Schachner, M.: see Schuster, T.
Schaefer, P. and Ritzmann, R. E.: Descending Influences on Escape Behavior and Motor Pattern in the Cockroach, 9
Schafer, W. R.: see Hardaker, L. A.
Schuster, T., Krug, M., Stalder, M., Hackel, N., Gerardy-Schahn, R., and Schachner, M.: Immunoelectron Microscopic Localization of the Neural Recognition Molecules L1, NCAM, and Its Isoform NCAM180, the NCAM-Associated Polysialic Acid, Beta1 Integrin and the Extracellular Matrix Molecule Tenascin-R in Synapses of the Adult Rat Hippocampus, 142
Shipley, M.: see De Marchis, S.
Sieghart, W.: see Dellovade, T. L.
Singer, E.: see Hardaker, L. A.
Skovronsky, D. M., Fath, S., Lee, V. M.-Y., and Milla,

M. E.: Neuronal Localization of the TNF α Converting Enzyme (TACE) in Brain Tissue and Its Correlation to Amyloid Plaques, 40

Stalder, M.: see Schuster, T.
St. John, P. A. and Gordon, H.: Agonists Cause Endocytosis of Nicotinic Acetylcholine Receptors on Cultured Myotubes, 212
Stoker, A. W.: see Johnson, K. G.
Sujata, R., Lang, C., Levitan, E. S., and Deitcher, D. L.: Fast Track: Visualization of Neuropeptide Expression, Transport, and Exocytosis in *Drasophila melanogaster*, 159

Tai, P. C.: see Levine, M. Z.
Tobet, S. A.: see Dellovade, T. L.

Vogt, R. G.: see Rogers, M. E.

Walker, R. J.: see Rogers, C. M.
Walker, V. K.: see Wu, B. S.
Walthall, W. W.: see Levine, M. Z.
Wang, X.-J., Gao, C., and Norgren, R. B., Jr.: Cellular Interactions in the Development of the Olfactory System: An Ablation and Homotypic Transplantation Analysis, 29
Wellman, C. L.: Dendritic Reorganization in Pyramidal Neurons in Medial Prefrontal Cortex after Chronic Corticosterone Administration, 245
Wilkes, J. J.: see Wolf, R. M.
Wolf, R. M., Wilkes, J. J., Chao, M. V., and Resh, M. D.: Tyrosine Phosphorylation of p190 RhoGAP by Fyn Regulates Oligodendrocyte Differentiation, 62
Wu, B. S., Walker, V. K., and Robertson, R. M.: Heat Shock-Induced Thermoprotection of Action Potentials in the Locust Flight System, 188
Zhang, X.: see Li, Y.
Zhou, G.: see Hardaker, L. A.

JOURNAL OF
Neurobiology

Subject Index to Volume 49

ABC transporter, 339
Agonist, 212
Alpha-secretase, 40
Alzheimer's disease, 40
AMPA receptors, 200
Amyloid precursor protein, 40
Aromatase, 1
Auxiliary cells, 277
Axonal regeneration, 314

BDNF, 314
Behavioral timing, 303
Beta-secretase, 40
Bitter taste, 255
Brain-derived neurotrophic factor, 173

Caenorhabditis elegans, 235, 303
Calcium imaging, 200
Canary, 1
CD36, 47
Cell death, 79
Cell differentiation, 326
Cell fate determination, 129
Cell genesis, 129
Cell migration, 264, 326
Chemical senses, 255
Conditioned taste aversion, 118
Cone, 129
Corticosterone, 245

Dendritic morphology, 245
Descending inputs, 9
Development, 79, 129, 173, 200, 277
Differentiation, 224
Drosophila, 159

Egg-laying, 303
Electrophysiology, 235
Endocytosis, 212
Enflurane, 339
Escape behavior, 9
Estrogen receptors, 264
Exocytosis, 159

Feeding, 118
Frog, 129
Fyn, 62

GABA_A receptors, 264
Glia, 277
Glutamate, 200
Glutamic acid decarboxylase, 264
Guidance, 99

Halothane, 339
Heat stress, 188
Hirudo medicinalis, 255

Immunoelectron microscopy, 142
Induction, 129
Internalization, 212

K⁺ channel modulation, 188

Learning, 118
Locomotion, 303
Lymnaea, 118

Manduca, 47
Membrane, 47
Migration, 29
Mossy fiber synapses, 142
Motoneuron, 314
Myotube, 212

NCM, 1
Nematode, 235
Neural cell adhesion molecules, 142
Neuronal action potential, 188
Neuropeptide, 159
Neuropeptides, 235
Neurotrophin, 173
Nicotinic acetylcholine receptor, 212

Olfaction, 47, 277
Olfactory bulb, 29, 326
Olfactory nerve, 29
Olfactory placode, 29
Oligodendrocyte, 224
Oligodendrocytes, 62
Optical recording, 118
Organotypic culture, 326
Outgrowth, 99

p190 RhoGAP, 62

p75, 314
p75 Neurotrophin receptor, 79
Pattern formation, 264
Peptide processing, 159
Periplaneta americana, 9
Perireception, 277
Pharynx, 235
Pheromone, 47
Polysialic acid, 142
Precursor cell, 224
Prefrontal cortex, 245
Process outgrowth, 200
Proliferation, 224

Quinine, 255

Rat, 245
Retina, 79, 99
Retrograde labeling, 314
RhoA, 62
Rod, 129
Rodent, 173
RPTP, 99

Sensory processing, 255
Serotonin, 303
Sine oculis, 339
Song system, 1
Spine synapses, 142
Staggered regeneration, 314
Stress, 245
Subependymal layer, 326
Subventricular zone, 326

TACE, 40
Tectum, 99
Telomerase, 224
Testosterone, 1
Tetraethylammonium, 188
Thermotolerance, 188
trkB, 314
Trypsin, 277

Vesicle transport, 159
Vision, 277
Visual system, 173

Xenopus laevis, 79



